CS-611

BACHELOR OF COMPUTER APPLICATIONS (BCA) (Pre-Revised)

Term-End Examination

⊔⊔1⊔5   December, 2016

CS-611 : COMPUTER FUNDAMENTALS AND PC SOFTWARE

Time : 2 hours   *Maximum Marks : 60*

Note : *Question number 1 is **compulsory**. Attempt any **three** questions from the rest.*

1. (a) Explain the structure of a computer with the help of a diagram.   *4*

    (b) Explain the concepts of multiprogramming with the help of a diagram.   *4*

    (c) Explain the characteristics of Twisted pair cables and Fiber optic cables in the context of communication channels.   *4*

    (d) Explain the concepts of Cryptography and Cryptanalysis.   *4*

    (e) Explain the structure of Windows with the help of a diagram.   *6*

    (f) What is the use of Mail Merge feature of MS-Word ? Explain the process of mail merging list of names and addresses with a main document.   *8*

2. (a) Explain the concepts of datatype, array and expressions, with the help of an example of each, in the context of a programming language. *6*

(b) Explain the memory system of a computer. *4*

3. Compare and contrast the following : *10*

(a) Local Area Network vs Wide Area Network

(b) Compiler vs Interpreter

(c) Circuit switching vs Packet switching

(d) Star topology vs Bus topology

4. (a) Explain the need of the following terms in the context of Windows Operating System : *8*

(i) Menus

(ii) Icons

(iii) Folder

(iv) Recycle Bin

(b) Define the term protocol in the context of computer networks. *2*

5. (a) What is the basic procedure for creating a new document in MS-Word ? Why do you need to save a document ? Explain. *5*

(b) What are the uses of document templates ? *2*

(c) What are the advantages and disadvantages of CD-ROM as an external storage memory ? *3*

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